Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091922\
Data File : VY010559.D
Acq On : 19 Sep 2022 18:24
Operator : KP/MD
Sample : N4655-01
Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SU-3-091522

Quant Time: Sep 20 01:05:29 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 20 01:02:44 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.783	168	9129	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	13312	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	10852	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	3939	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	4119	47.173	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.340%		
35) Dibromofluoromethane	7.704	113	1961	23.082	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	46.160%#		
50) Toluene-d8	10.179	98	14815	47.360	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	94.720%		
62) 4-Bromofluorobenzene	12.477	95	4151	34.801	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	69.600%		
Target Compounds						Qvalue
3) Chloromethane	2.107	50	791	9.032	ug/l	96
5) Bromomethane	2.662	94	731	9.421	ug/l	92
10) Methyl Iodide	4.088	142	1970	23.621	ug/l #	88

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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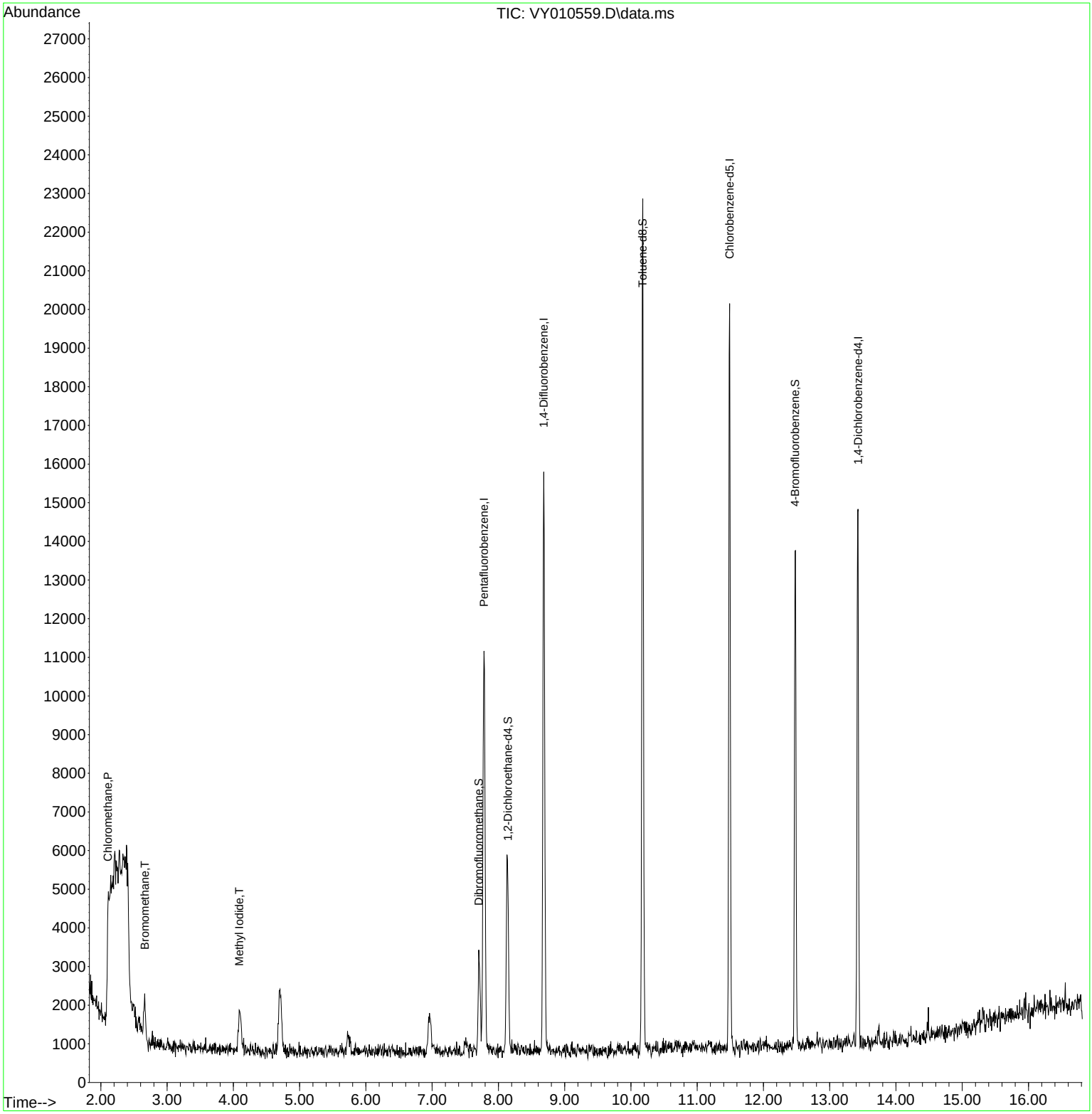
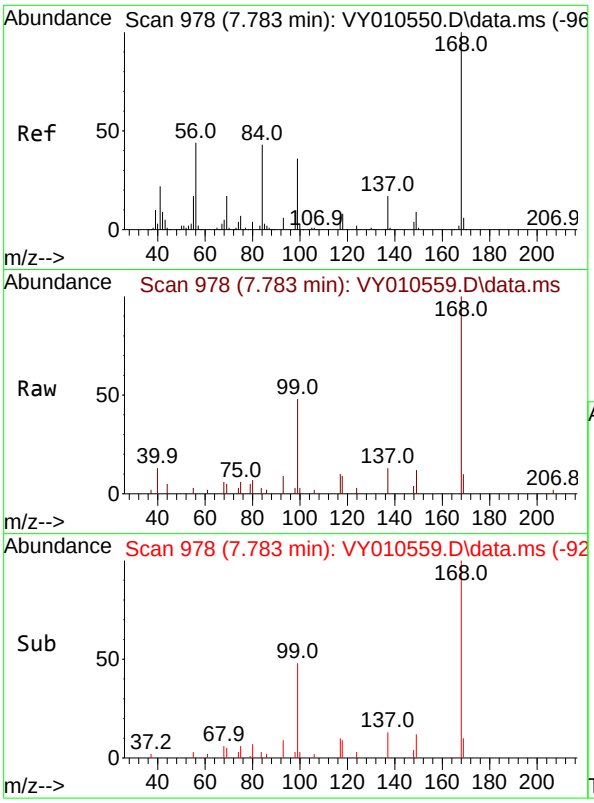


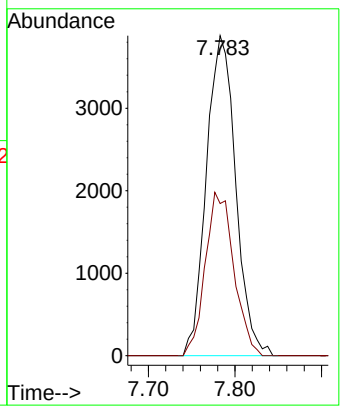


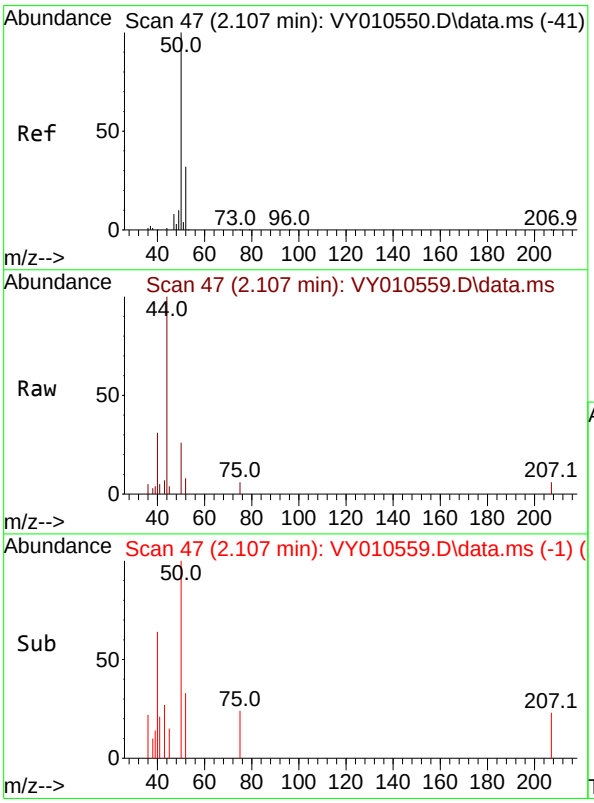
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY010559.D
Acq: 19 Sep 2022 18:24

Instrument :
MSVOA_Y
ClientSampleId :
SU-3-091522

Tgt Ion:168 Resp: 9129

Ion	Ratio	Lower	Upper
168	100		
99	47.6	46.9	70.3

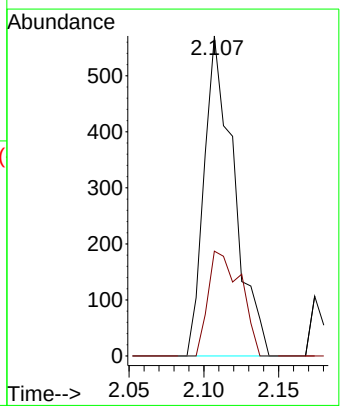


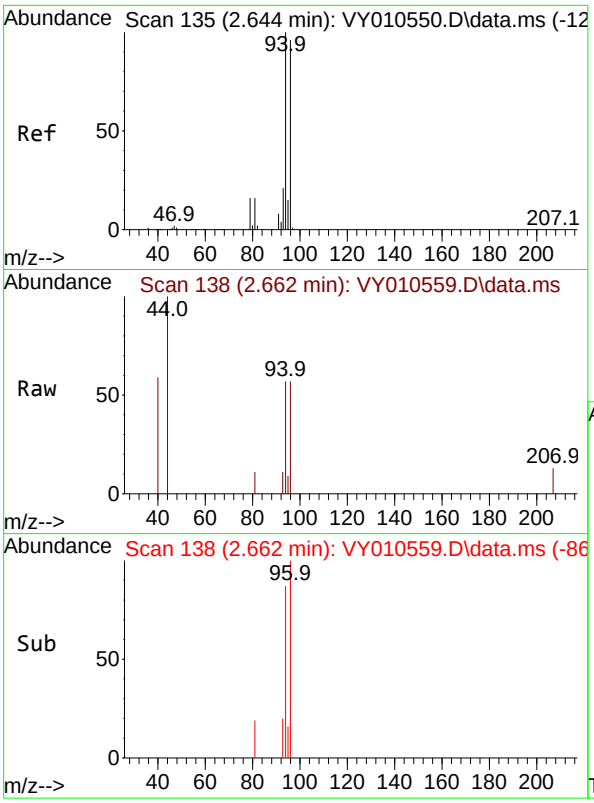


#3
Chloromethane
Concen: 9.032 ug/l
RT: 2.107 min Scan# 47
Delta R.T. 0.000 min
Lab File: VY010559.D
Acq: 19 Sep 2022 18:24

Tgt Ion: 50 Resp: 791

Ion	Ratio	Lower	Upper
50	100		
52	32.7	24.6	37.0



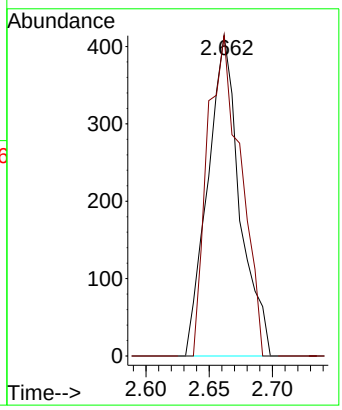


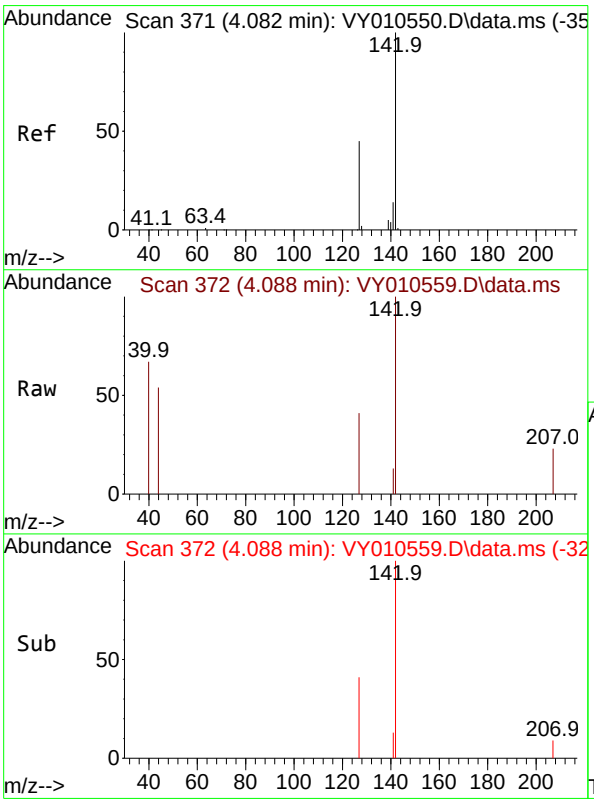
#5
Bromomethane
Concen: 9.421 ug/l
RT: 2.662 min Scan# 1
Delta R.T. 0.018 min
Lab File: VY010559.D
Acq: 19 Sep 2022 18:24

Instrument :
MSVOA_Y
ClientSampleId :
SU-3-091522

Tgt Ion: 94 Resp: 731

Ion	Ratio	Lower	Upper
94	100		
96	100.0	73.5	110.3

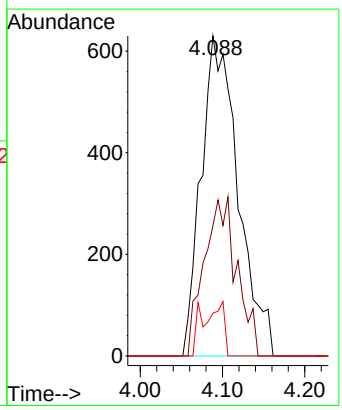


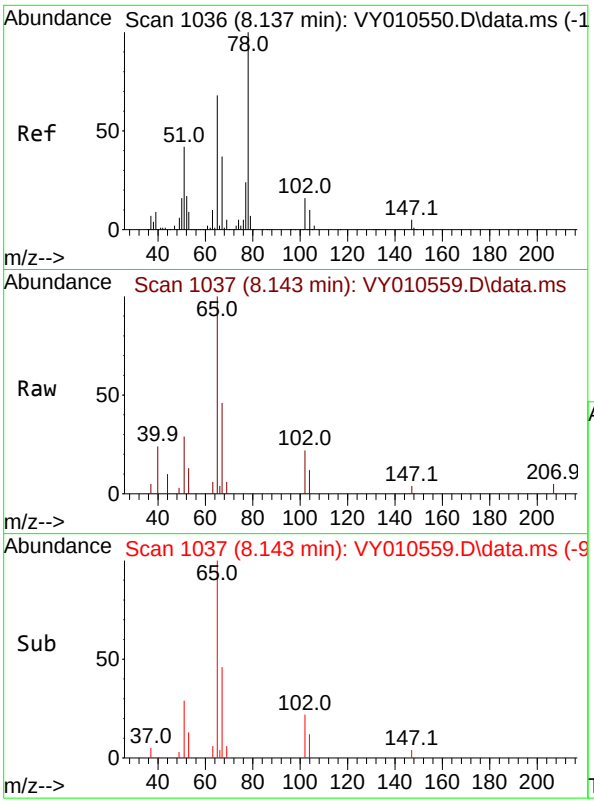


#10
Methyl Iodide
Concen: 23.621 ug/l
RT: 4.088 min Scan# 372
Delta R.T. 0.006 min
Lab File: VY010559.D
Acq: 19 Sep 2022 18:24

Tgt Ion:142 Resp: 1970

Ion	Ratio	Lower	Upper
142	100		
127	43.8	41.5	62.3
141	9.4	11.9	17.9#



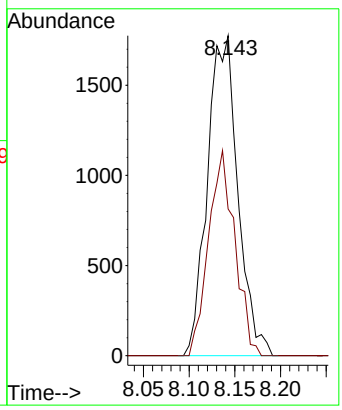


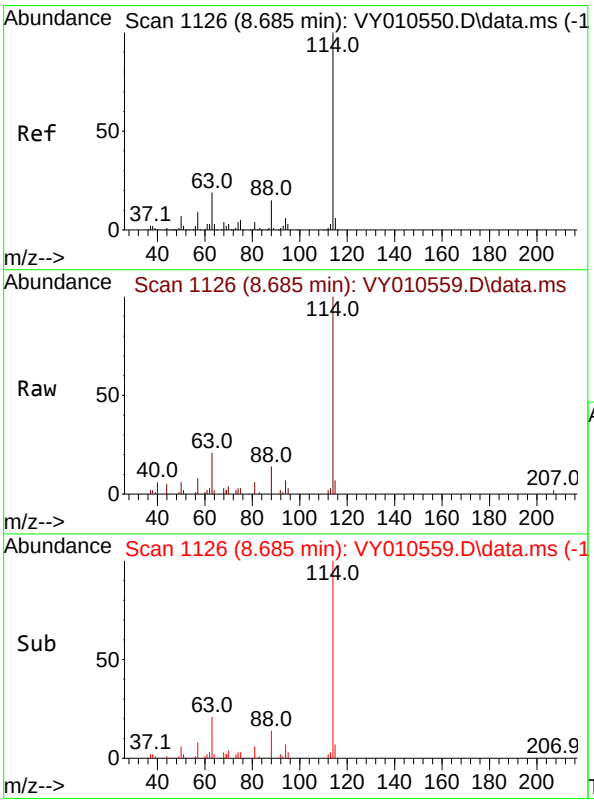
#33
1,2-Dichloroethane-d4
Concen: 47.173 ug/l
RT: 8.143 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY010559.D
Acq: 19 Sep 2022 18:24

Instrument :
MSVOA_Y
ClientSampleId :
SU-3-091522

Tgt Ion: 65 Resp: 4119

Ion	Ratio	Lower	Upper
65	100		
67	55.2	0.0	99.4

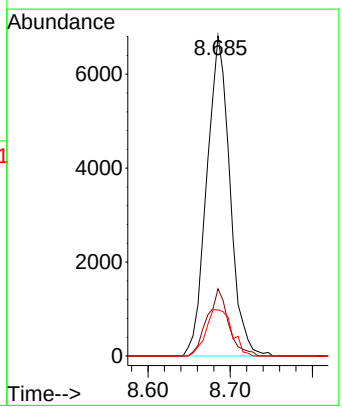


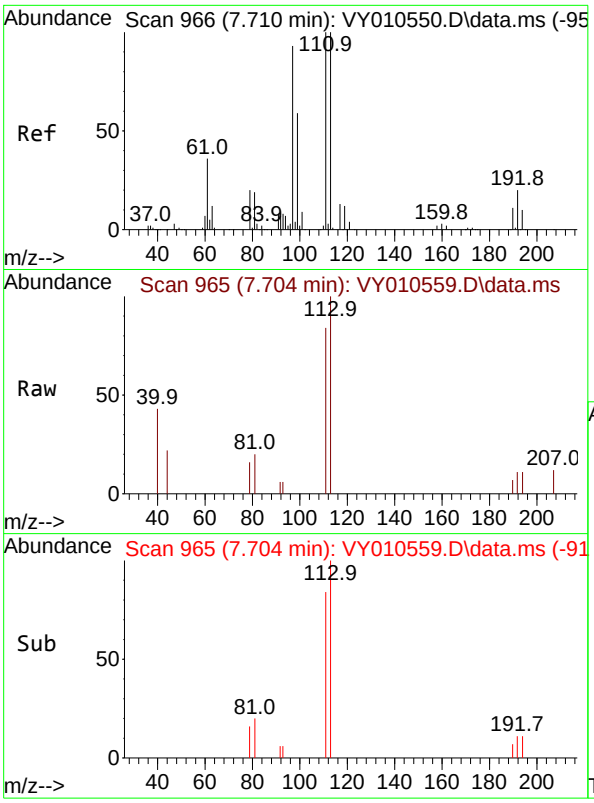


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY010559.D
Acq: 19 Sep 2022 18:24

Tgt Ion:114 Resp: 13312

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	43.2
88	14.4	0.0	31.8



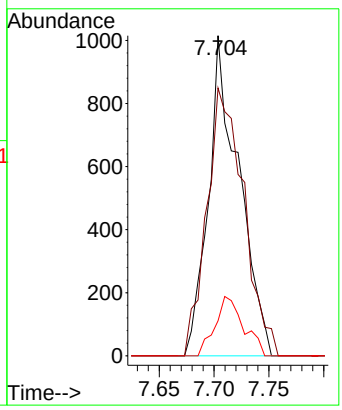


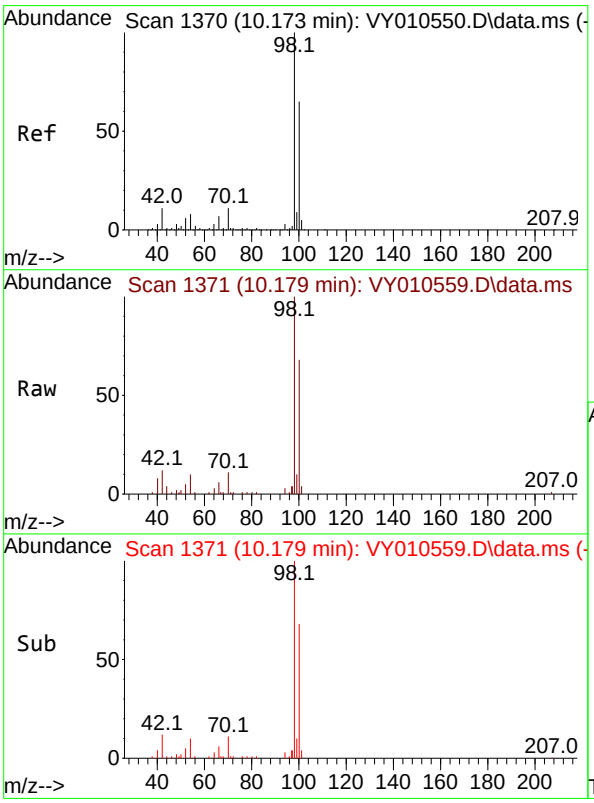
#35
Dibromofluoromethane
Concen: 23.082 ug/l
RT: 7.704 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY010559.D
Acq: 19 Sep 2022 18:24

Instrument :
MSVOA_Y
ClientSampleId :
SU-3-091522

Tgt Ion:113 Resp: 1961

Ion	Ratio	Lower	Upper
113	100		
111	101.0	82.6	124.0
192	17.3	17.6	26.4#

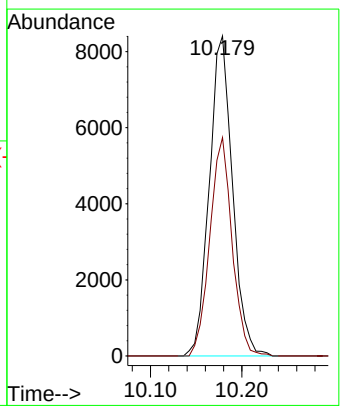


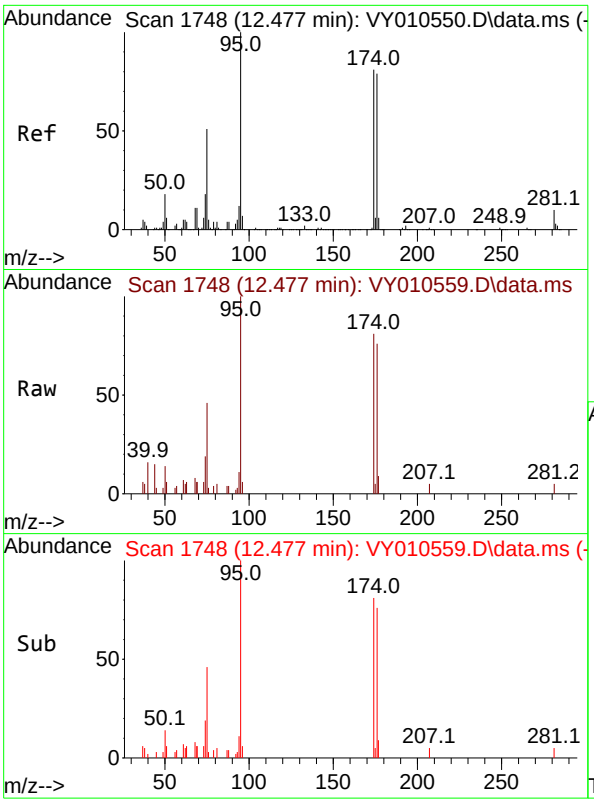


#50
Toluene-d8
Concen: 47.360 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY010559.D
Acq: 19 Sep 2022 18:24

Tgt Ion: 98 Resp: 14815

Ion	Ratio	Lower	Upper
98	100		
100	65.5	50.2	75.2



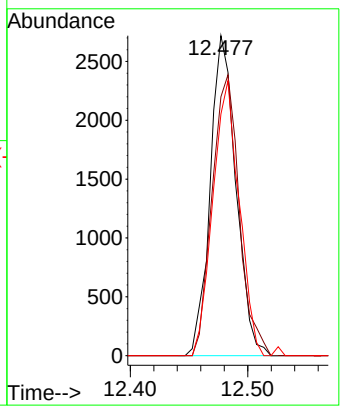


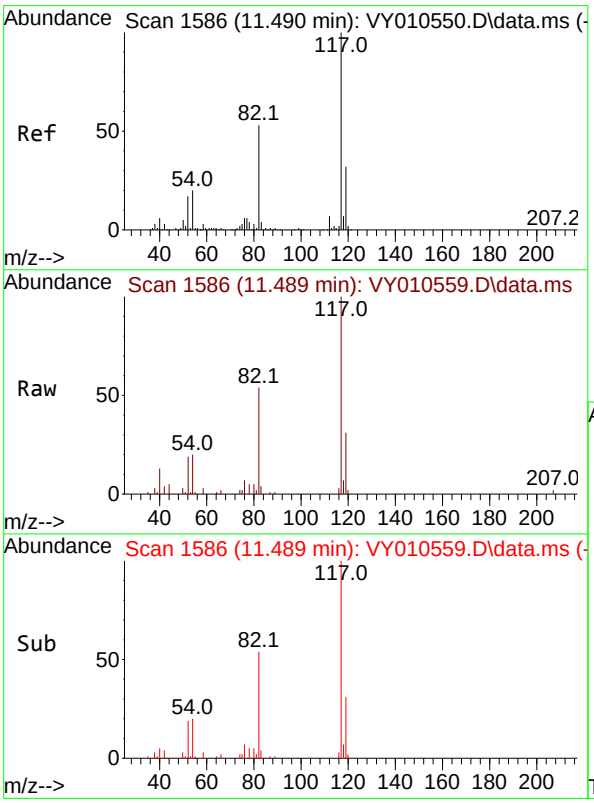
#62
4-Bromofluorobenzene
Concen: 34.801 ug/l
RT: 12.477 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY010559.D
Acq: 19 Sep 2022 18:24

Instrument :
MSVOA_Y
ClientSampleId :
SU-3-091522

Tgt Ion: 95 Resp: 4151

Ion	Ratio	Lower	Upper
95	100		
174	92.4	0.0	177.0
176	87.9	0.0	175.8

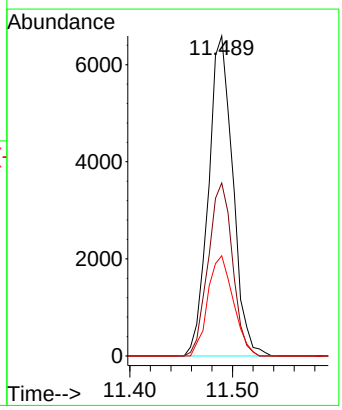


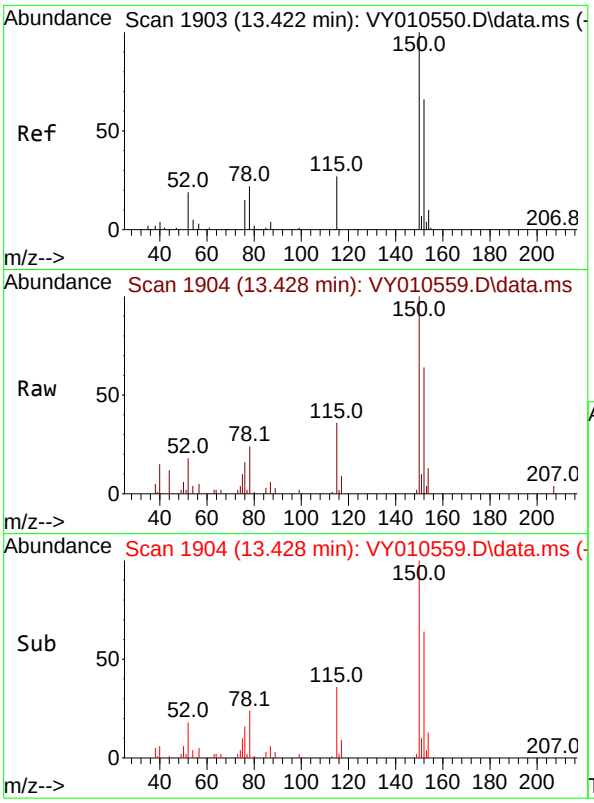


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY010559.D
Acq: 19 Sep 2022 18:24

Tgt Ion:117 Resp: 10852

Ion	Ratio	Lower	Upper
117	100		
82	54.0	43.0	64.4
119	31.3	25.4	38.0





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY010559.D
Acq: 19 Sep 2022 18:24

Instrument :
MSVOA_Y
ClientSampleId :
SU-3-091522

Tgt Ion:152 Resp: 3939

Ion	Ratio	Lower	Upper
152	100		
115	58.8	28.2	84.7
150	154.9	0.0	347.6